## INTERNATIONAL SEARCH REPORT

International Application No PCT/US 03/00256

. CLASSIFICATION OF SUBJECT MATTER PC 7 G01K13/00 G01K G01K1/08 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 G01K Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Y US 3 738 173 A (SATO S) 1,6-9,20 12 June 1973 (1973-06-12) the whole document Y US 4 588 306 A (BURGER LAURIE J ET AL) 1,20 13 May 1986 (1986-05-13) the whole document 2,3,13 US 6 186 959 B1 (CHESLOCK EDWARD P ET AL) 1,6-9 13 February 2001 (2001-02-13) cited in the application the whole document 10 US 4 662 360 A (O'HARA GARY J ET AL) 1-3,105 May 1987 (1987-05-05) the whole document Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but dted to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance \*E\* earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled in the art. other means document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 4 August 2003 13/08/2003 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Ramboer, P Fax: (+31-70) 340-3016

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